

Work Order ID 100122-2

April 18-13 10:05:27 AM

ASAP

100122

Page 1

Item ID: 646.2910

Revision ID:

Item Name: Deflector

Start Date: 4/18/13

Start Qty: 20.00

20

Required Date: 4/25/13

Req'd Qty: 20.00

20

Reference:

Accept

SPV18

N900040100

Setup Start

NS1

Stop

NS2

Cust Item ID:

Customer:

Approvals: Process Plan: ML5

Date: 13-04-18 Tooling:

Date:

Run Start *NR1*

QC:

Date: SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.2900 2900	13.04.18	0.00							
100 *100* Mill Conv	Conventional Milling Machine	0.00							

Memo MILL AS PER DWG

120

120

QC

Quality Control

QC2- Inspect parts off machine FAI/FAIB

0.00

13/04/22

20 ✓

130

130

QC

Quality Control

QC8- Inspect parts - second check

0.00

0.00

20

DAS
25
6-8912-4-23

Work Order ID 100122

April-18-13 10:05:27 AM

100122

Page 2

Item ID: 646.2910

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Deflector

Stop

NS2

Start Date: 4/18/13 Start Qty: 20.00

20

Cust Item ID:

Required Date: 4/25/13 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours
0.00

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

131

131

HandFinish

Hand Finishing

Memo

0.00

CLEAN AND REMOVE ALL PART MARKING

20 26/34/25

140

Outsource process-Anodize per QSI017 4.1.10.1

0.00

140

Outsource4

Outsource process - Anodize

Memo

0.00

Issue P/O: 19717

Black Anodize as per Dwg 646.3000

CD 13/04/26 (20)

150

Receive & Inspect for Damage & Mat'l Certs

0.00

150

Packaging

Packaging

Memo

0.00

P 13/04/26 (6)

Work Order ID 100122

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100122

Page 3

Item ID: 646.2910

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Deflector

Start Date: 4/18/13 Start Qty: 20.00

20

Required Date: 4/25/13 Req'd Qty: 20.00

20

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

155

155

QC

Quality Control

Operation
Description

QC5- Inspect part completeness to step on W/O

Memo

n/a/s

Set Up/
Run Hours

0.00

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160

160

SprayPaint

Spray Painting

Spray Painting per QSI005 4.2

0.00

Memo

0.00

PRIME AS PER DWG, SEE NOTE #2

PRIMER BATCH: 125452

CL 13/04/26

170

170

QC

Quality Control

QC14- Inspect Spray Paint

act

Memo

0.00
13/04/24

(16)

Work Order ID 100122

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100122

Page 4

Item ID: 646.2910

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Deflector

Start Date: 4/18/13 Start Qty: 20.00

20

Required Date: 4/25/13 Req'd Qty: 20.00

20

Reference:

Cust Item ID:

Customer:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center ID

180

180

Packaging

Packaging

Operation
Description

Identify as per dwg & Stock Location:

Set Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

MPP120

M.10

6#~~X~~

13/05/23.

R

IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV

190

190

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

13/5/23 DH

U 13.05.24

* Picklist Print

April-18-13 10:05:32 AM

Page 1

Work Order ID: 100122

100122
646 2910

Parent Item: 646.2910

Parent Item Name: Deflector

Start Date: 4/18/13

Required Date: 4/25/13

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP REV:A NEW ISSUE 13-04-18 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.2900E		Manufactured	No			f		144.0000		75.78947			
646 2900F Deflector									**				

<u>Location</u>	<u>Loc Oty</u>	<u>Loc Code</u>
MAT036	144	
92577	144	

79 4/18/13/04/22

APICAL
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 03694

SHEET 1 OF 1

DWG NO. 646.2900

REV: N/C PREPARED
BY B. PETERS

DATE: 11/14/12

EFFECT ON DWG
 INC. UNINC.

DWG TITLE: DEFLECTOR

APPROVED BY:

ENGR *JAC*

MFG

Doug Baber

QC

[Signature]

EFF: NEXT ORDER

TRANSACTION CODES (TC)

A-ADD C-CREATE
R-REVISE D-DELETE

REASON:

ADDED ALTERNATE MATERIAL.

ECR:
D-12-002

IS



PRIMARY MATERIAL: 7075-T6 ALUMINUM PER AMS-QQ-A-225/9,
ALTERNATE MATERIAL: 7075-T6511 ALUMINUM PER AMS-QQ-A-200/11.

SHEET 1, ZONE A2 IS:

100122 MLJ

13-04-18

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:		<input type="checkbox"/> RFMS <input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM		CHANGE CATEGORY	DER REVIEW REQUIRED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

MAJOR MINOR

APICAL
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE I			03207	SHEET 1 OF 1
DWG NO. 646.2900		REV: N/C	PREPARED BY PB	DATE: 08/29/11
EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC				
DWG TITLE: DEFLECTOR				
APPROVED BY:	ENGR <i>J. Brown</i>	MFG <i>Daniel Jones</i>	QC <i>Donald Segar</i>	EFF: CURRENT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE				
REASON: ADDED ALTERNATE BASE MATERIAL				

SHEET 1, ZONE A2, NOTE 1 IS:

NOTES:



1 MATERIAL: 7075-T6 ALUMINUM PER AMS-QQ-A-225/9 OR AMS-QQ-A-250/12



2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III CLASS 2,
COLOR BLACK; CARDINAL 4860-50 PRETREATMENT PRIMER;
PRIME IAW MIL-P-23377J TYPE I CLASS N

3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120

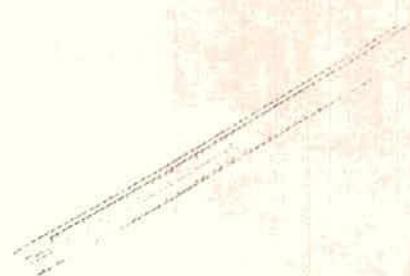
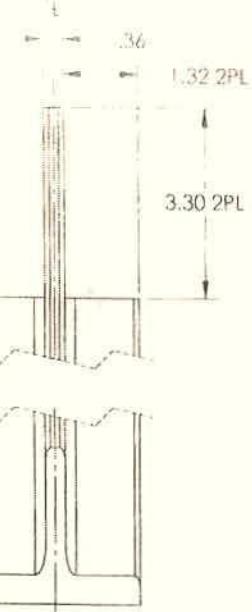
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:						
				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC	<input type="checkbox"/> ICA <input type="checkbox"/> BOM	<input type="checkbox"/> CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR
						<input type="checkbox"/> DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

NOTES:

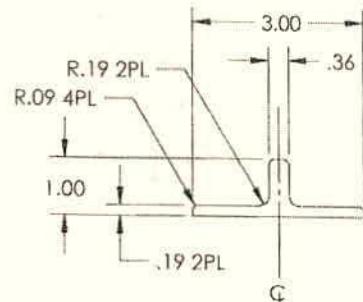
MATERIAL: 7075 T6 ALUMINUM PER AMS QQ-A-225/9.

2. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III CLASS 2.
 COLOR BLACK: CARDINAL 4860-50 PRETREATMENT PRIMER,
 PRIME IAW MIL-P-23377J TYPE I CLASS N.

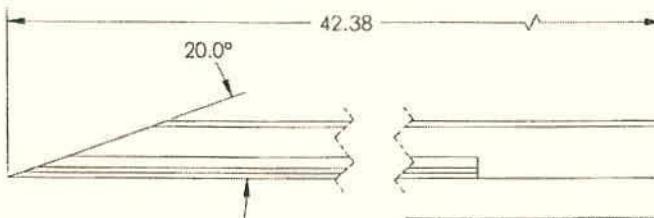
3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120



UNINCORPORATED ECN(s)

03207, 03694,

646.2910



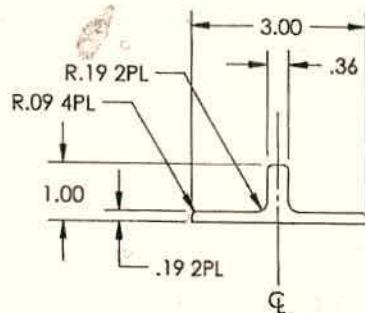
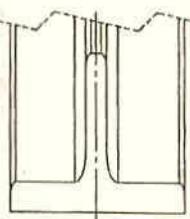
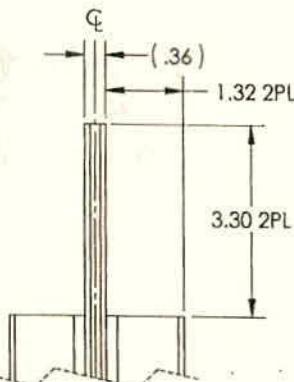
		646.2910	DEFLECTOR	MATL	SPEC
		PARTS LIST			
QTY	FIND #	PART #	DESCRIPTION		
			GARLICIAN DATE IHO-DH-FRT DA 01-03-08 DRAWING BY: D. CHICOS REV: 01 TRADING APPROVAL: D. CHICOS DRAFTING: D. CHICOS COMPUTER: D. CHICOS		
NEXT ASSY [3]		646.4000	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760)724-5300		
			DEFLECTOR		
			REF C H C F E D B QDS NO 646.2900 B 07M26 SCALE NONE SHEET 1 OF 1		

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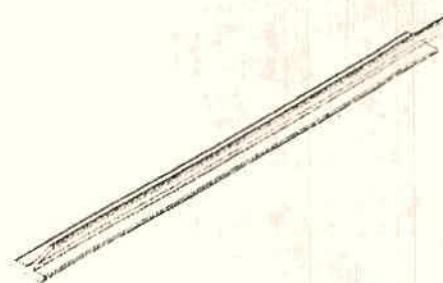
REVISED			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1) MATERIAL: 7075-T6 ALUMINUM PER AMS-QQ-A-225/9
2) FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III CLASS 2.
COLOR BLACK; CARDINAL 4860-50 PRETREATMENT PRIMER;
PRIME IAW MIL-P-2337J TYPE I CLASS N
3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120

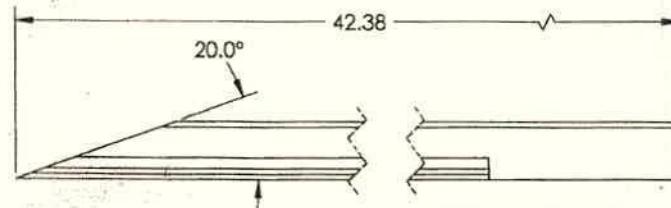


646.2910



UNINCORPORATED ECN(s)

03207, 031094



		646.2910	DEFLECTOR		
	FIND #	PART #	DESCRIPTION	MATL	SPEC.
QTY	PARTS LIST				
NEXT ASSY IS)	CHONGMIAU DAI DRAFT DEFLECTOR P/N 646.2910 S. NO# P. BRAVO	<p style="text-align: center;">APICAL INDUSTRIES</p> <p>2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92054-3512 (760)724-5300</p>			
646.4000	PLASTIC APPROVAL DATE TO STORE CONTRACT#100				
DEFLECTOR					
UNITED COMPANIES SPECIFIED DRAFT DEFLECTOR REACHES CEILING TRACI DECALS # 2010 APRIL 1, 2010 APRIL 1, 2010 EDS	REF CAGE/COD	DWG NO	646.2900		REV F
8	0707A6				
SCALE	None		SHEET 1 OF 1		

DART AEROSPACE LTD	Work Order:	100122
Description: DEFLECTOR	Part Number:	646-2910
Inspection Dwg: 646-2910 Rev: N/C		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Measured by:	Onf
Date:	13/04/22

Audited by:	DAS
Date:	25 0-09 13-4-23

Preliminary Approval: _____

Rev	Date	Change	Revised by	Approved
E	10.04.14	Added preliminary approval	KJ	

~~10.04.15~~



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO19717

Purchase Order Date 4/26/2013

PO Print Date 5/17/2013

Page Number 1 of 2

Order From : VC-ATG001

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	613-446-4544	Requisition Nbr	
Vendor Fax	613-446-4556	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED \$

No substitution or deviation without consent.

**Certificate of Conformity or Material
Certification required** YES NO

Change Nbr: 4

Entered Date: 5/17/2013



A.T.G. Industries Inc.
731, rue Industrielle Rd.
PLATING DEPARTMENT
Rockland, On K4K 1T2
Canada
Ph: (613) 446-4544
Fax: (613) 446-4556

Pack List

Number: 62399

Date: 24-May-13

To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ship To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms	Ship Via
Quantity	Description
6 ea	Part: 646.2910 HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2 PRIMER MIL-P-23377J TYPE I CLASS N Job: 20130307 PO: 19717 Rev: Line:
	Certificate of Conformance A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order. ISO 9001 : 2008 REGISTERED ATG SALES-2010 TERMS APPLY DATE: <u>24/5/13</u> CERTIFIED SIGNATURE: <u>MM</u> RECEIVER SIGNATURE: _____